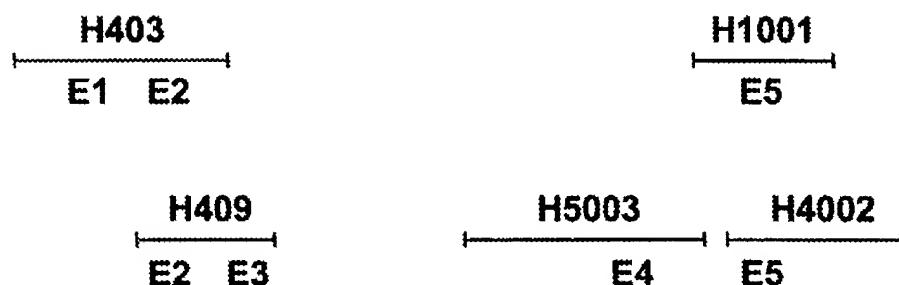




A.



B.

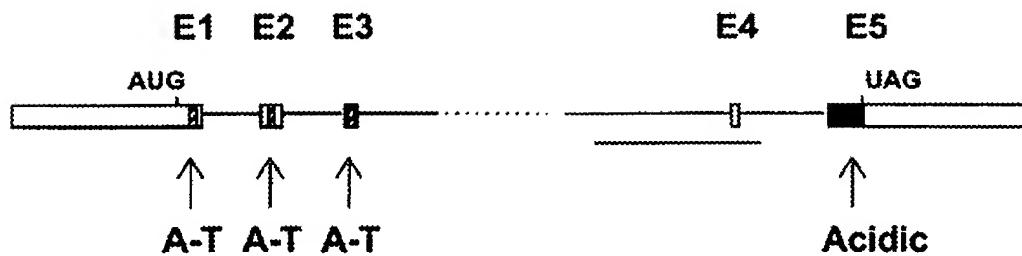


Fig. 1



U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

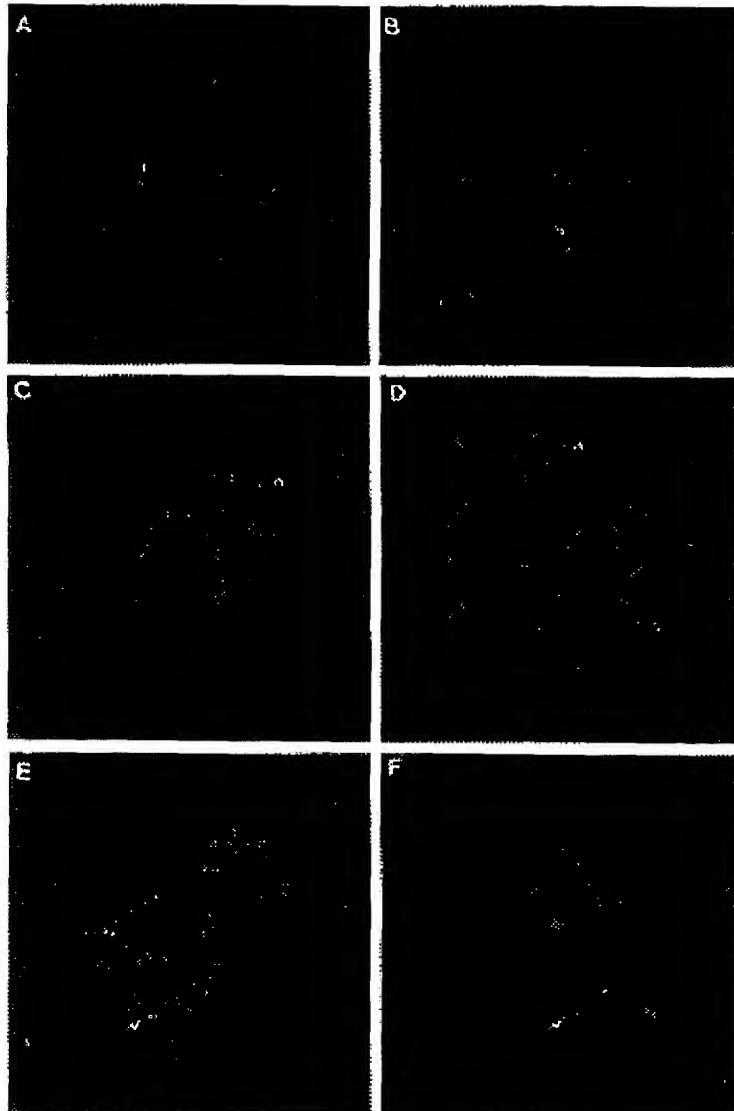


Fig. 2

U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

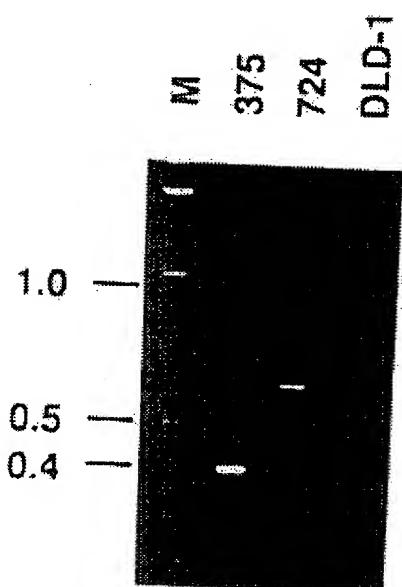


Fig. 3

U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity



HMGI-C	CCA AGA GGC AGA CCT AGG AAA TGG	CCA CAA CAA GTC GTT	SEQ ID NO. 1
	P R G R P R K W	P Q Q V V	SEQ ID NO. 2
fusion sites			
t(3;12)	CCA AGA GGC AGA CCT AGG AAA TGG	AAT ACT CTG GAG CAG	SEQ ID NO. 3
	P R G R P R K W	N T L E Q	SEQ ID NO. 4
t(12;15)	CCA AGA GGC AGA CCT AGG AAA TGG	CCC GGG CTC CAG AAG	SEQ ID NO. 5
	P R G R P R K W	P G L Q K	SEQ ID NO. 6

Fig. 4



U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

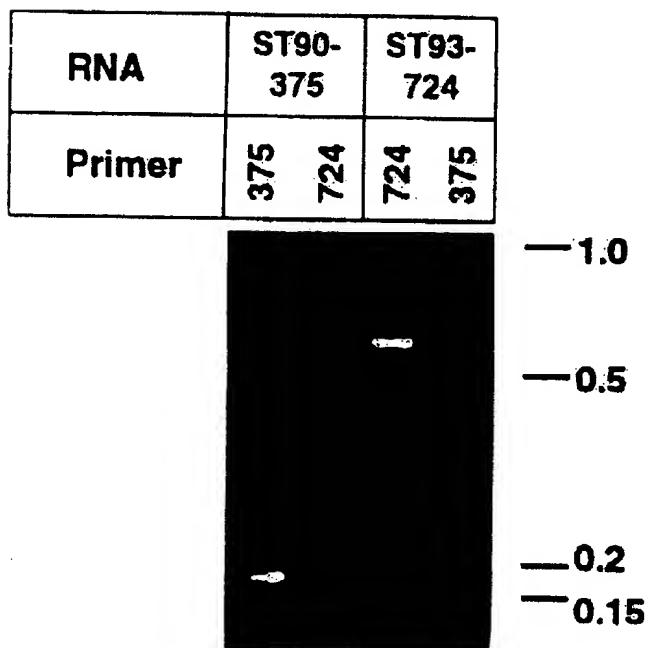


Fig. 5



U.S. Patent Application No. 08/852,666
 Inventors: CHADA, Kiran et al.
 Title: HMGI Proteins in Cancer and Obesity

A.

Chr. 3: 1	QCNVCSKPI. [x9] .. KAYHPHCFTCVMCHRSL. [x11]. LIHCIEDF	SEQ ID NO. 7
Zyxin: 2	KCSVCKQTI. [x9] .. NSYHPQCFTCVMCHTPL. [x11]. QPHCVDDY	SEQ ID NO. 8
Ap: 1	DCSGCGRQI. [x10] . KRWHASCLKYACRQPL. [x11]. NIYCKNDY	SEQ ID NO. 9
Lh2: 1	LCAGCGGKI. [x10] . KQWHRMRLKCCCEKLNL. [x11]. SIYCKEDY	SEQ ID NO. 10
Lin11: 1	ECAACAQPI. [x10] . KCWHQSCLRCCDCRAPM. [x9] .. LILCKTDF	SEQ ID NO. 11
RBTN-1: 1	GCAGCNRKI. [x10] . KYWHEDCLKCACCDTRL. [x12]. LILCRRDY	SEQ ID NO. 12

Chr. 3: 2	RCSVCKEPI. [x15] . SRFHVHCYRCEDCGGLL. [x13]. HILCKTCN	SEQ ID NO. 13
Zyxin: 3	RCSVCEPI. [x16] . KNFHMKCYKCEDCGRPL. [x14]. HVLCMKCH	SEQ ID NO. 14
Ap: 2	RCSRCLASI. [x11] . LVFHVNCFCCCTVCH.PL. [x11]. LIYCRTHY	SEQ ID NO. 15
Lh2: 2	RCARCHLGI. [x11] . LVYHNLCFTCTTCN.ML. [x11]. LVYCRLF	SEQ ID NO. 16
Lin11: 2	RCAGCDGKL. [x11] . KVFHIRCFQCSVCQRLL. [x12]. RFVCQSDF	SEQ ID NO. 17
RBTN-1: 2	NCAACSKLI. [x11] . NVYHLDCAFQLCNQRF. [x12]. IL.CQMDY	SEQ ID NO. 18

Consensus

↑ ↑ ↑ ↑ ↑
 CxxC.... x16-21 HxxCxxCxxC.... x16-21 CxxH
 C D
 ↙ ↙ ↙ ↙
 SEQ ID NO. 19 SEQ ID NO. 20 SEQ ID NO. 21

B.

Chr. 15 EEEEH LNTERSSAGGGWRGVQPLGS PTPGEDHRPIPSPASGFPSI

SEQ ID NO. 22

Fig. 6

U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

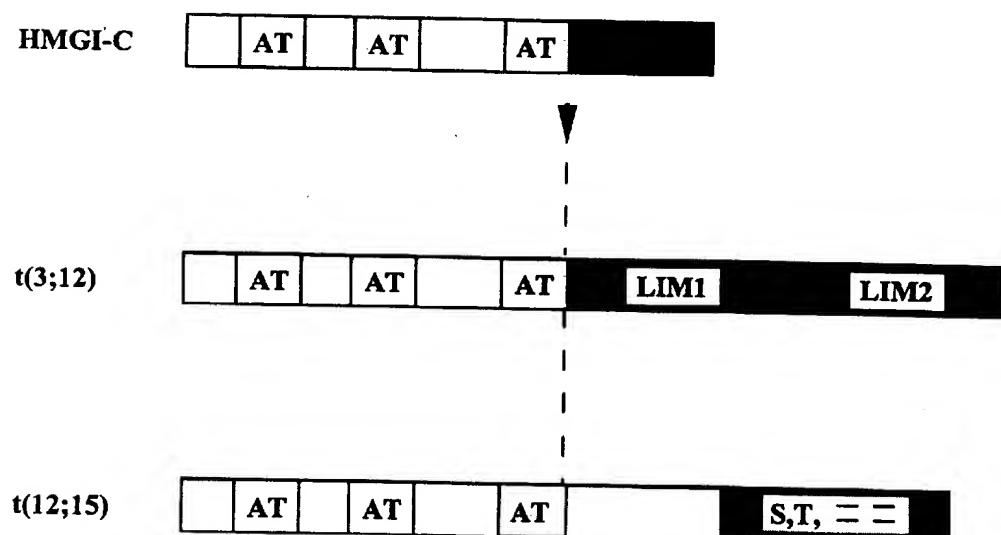


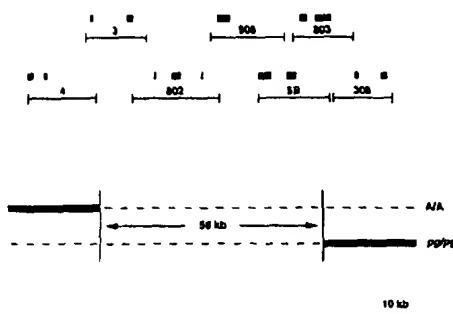
Fig. 7



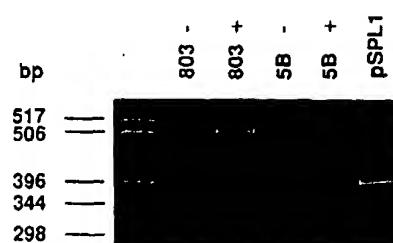
U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

A.

PYGMY LOCUS



B.



C.

HIV-ltat

```

1 TCTATCAAAGCAGGCCAACCTGTGAGCCCTCTCTTAAGAGACCCAGAGGAAGACCCAAA
AAGCAGCAGCAAGAGCCAACCTGTGAGCCCTCTCTTAAGAGACCCAGAGGAAGACCCAAA

61 GGCAGCAAAACAAGAGCCCCTCTAAAGCAGCCAGAAGAAAGCAGAGACCATTGGAGAA
GGCAGCAAAACAAGAGCCCCTCTAAAGCAGCCAGAAGAAAGCAGAGACCATTGGAGAA

HIV-ltat
121 AACGGCCAAGAGGCAGACCTAGGAAATGGACCCACCTCCCCA 803
AAACGGCCAAGAGGCAGACCTAGGAAATGGCCACAACAAGTC Mouse HMG I-C

```

D.

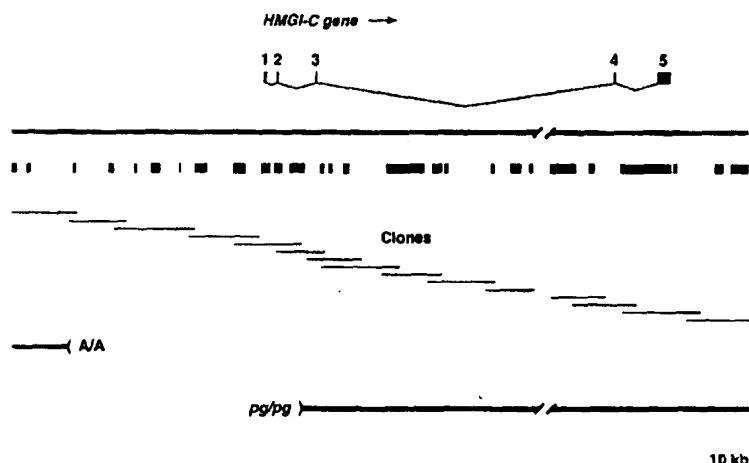


Fig. 8

U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

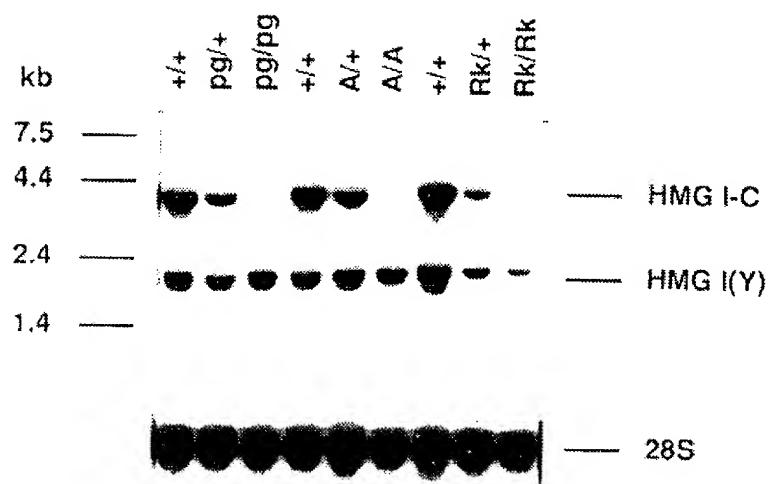


Fig. 9



U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

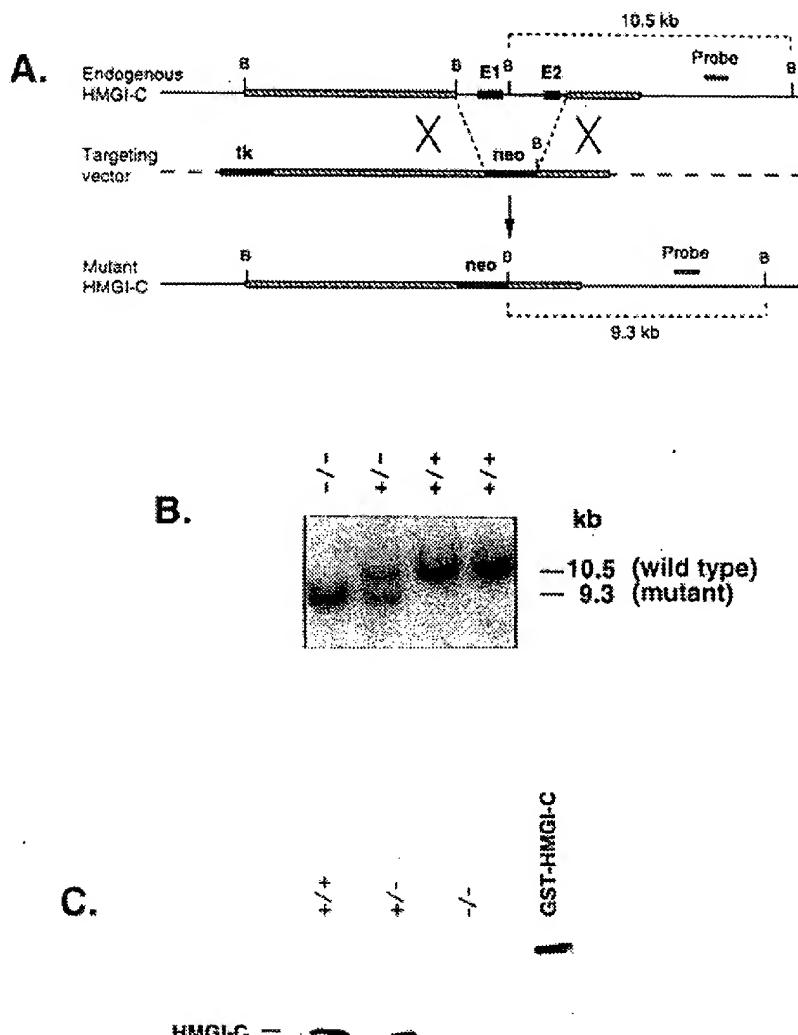


Fig. 10



U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

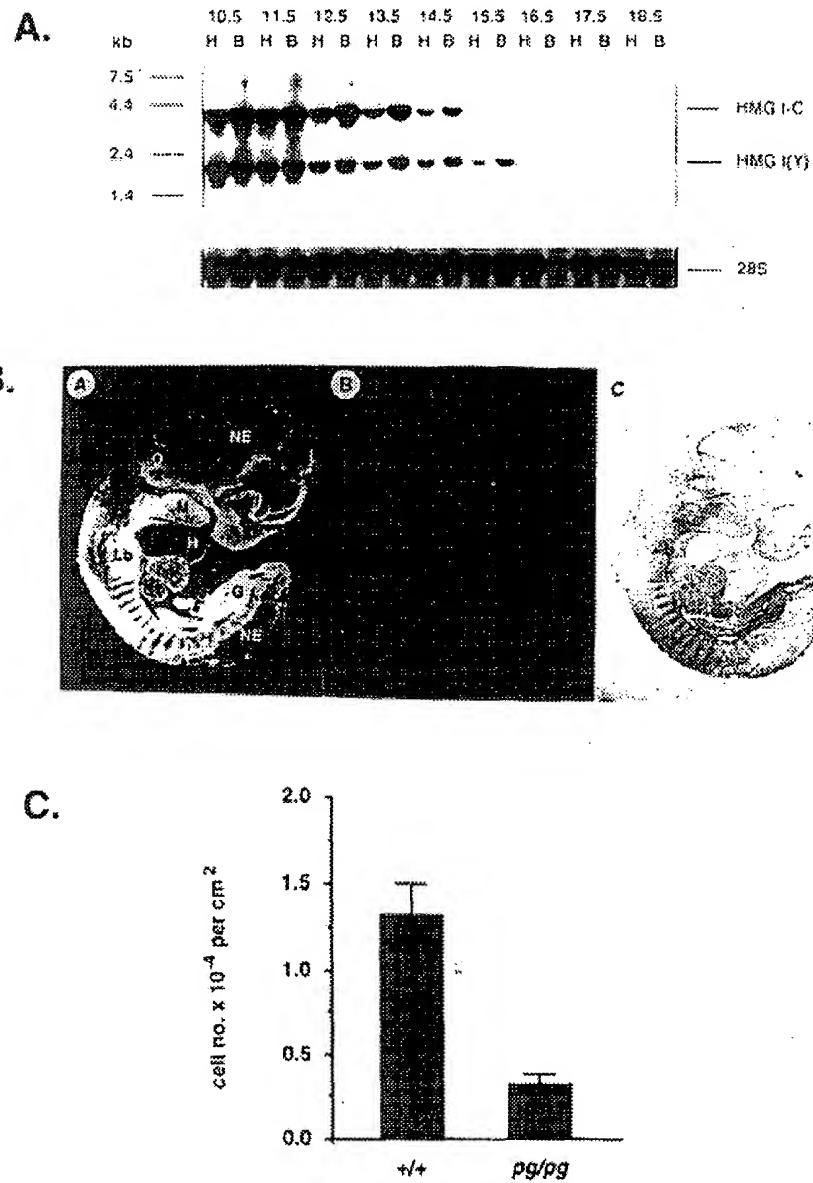


Fig. 11



U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

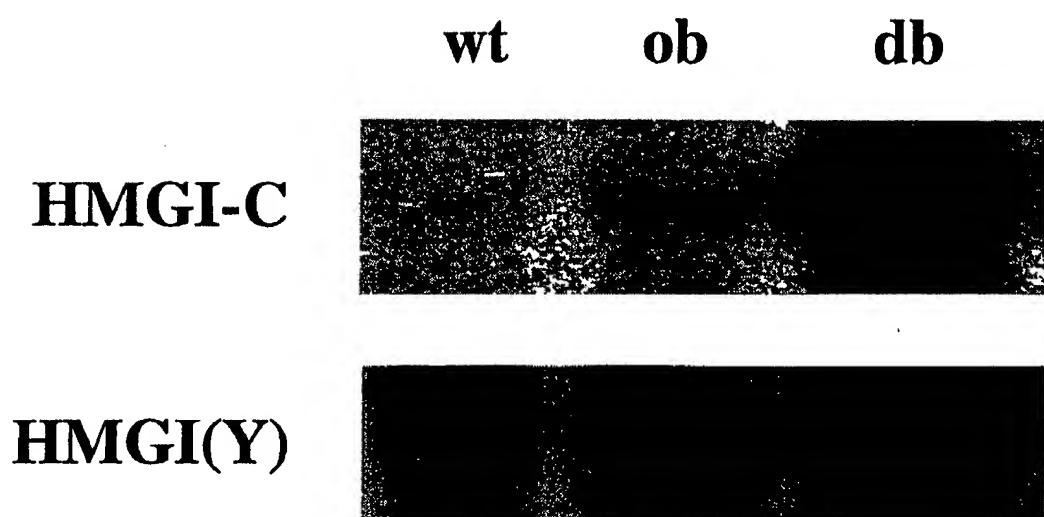


Fig. 12



U.S. Patent Application No. 08/852,666
Inventors: CHADA, Kiran et al.
Title: HMGI Proteins in Cancer and Obesity

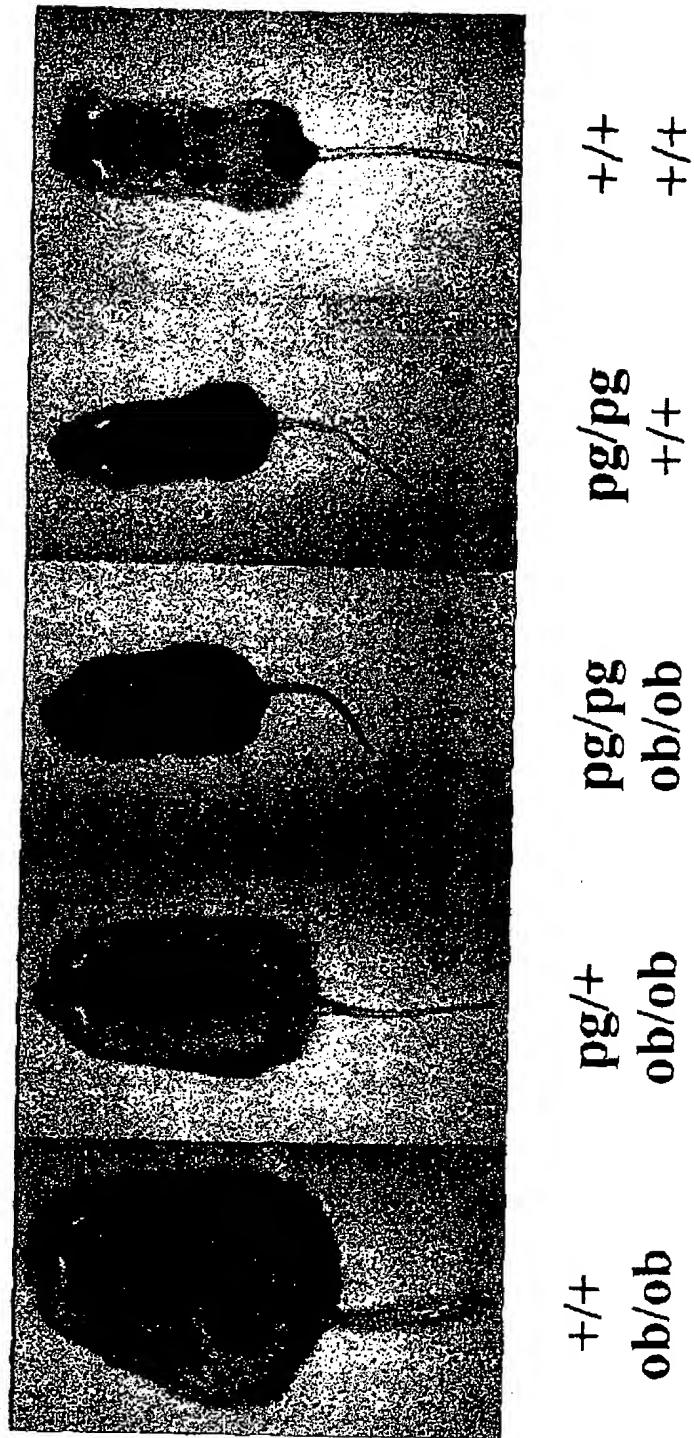
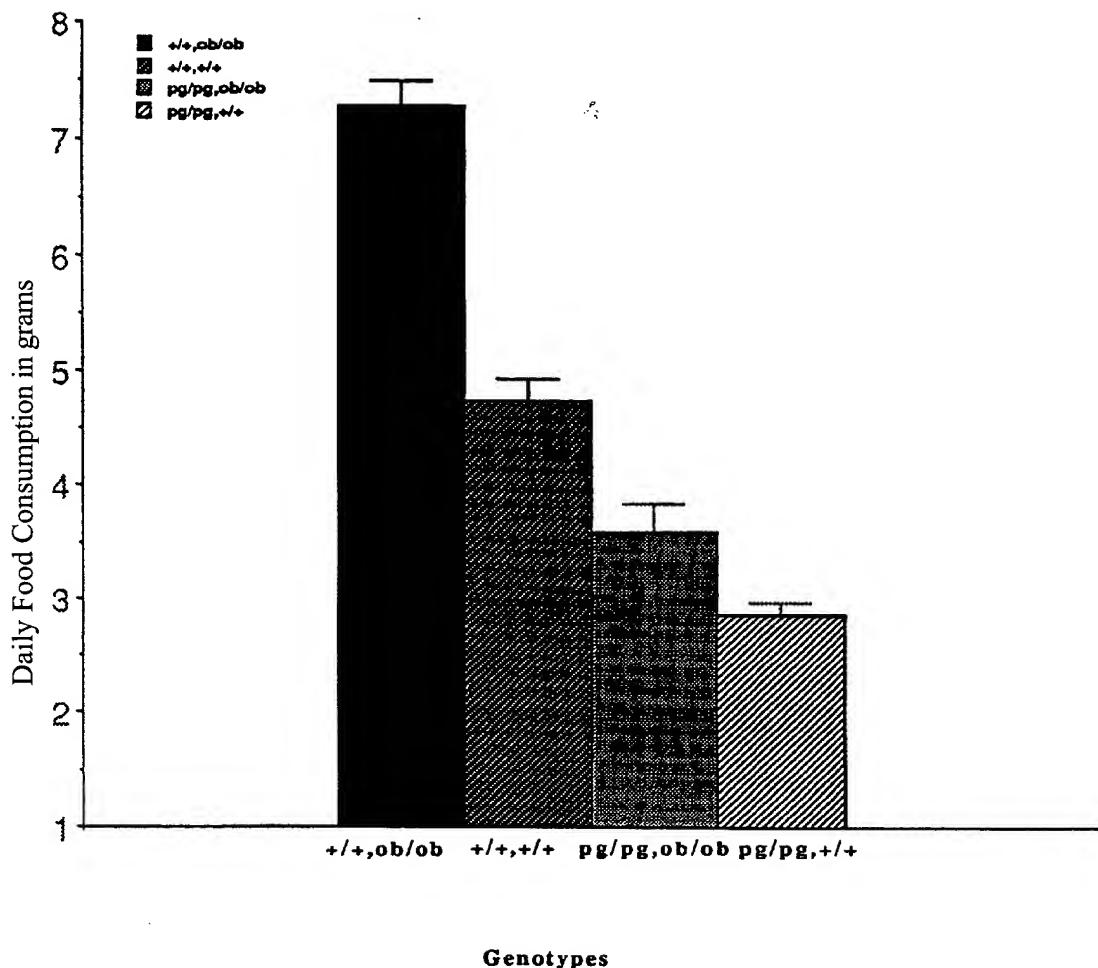


Fig. 13



Effects of genotype on food consumption.
Daily food consumption=(wt. of food at 0 hrs)-[(wt. of food at 24 hrs)+(food wasted)]

Fig. 14